

COPY

Allied Signal's Ref: 30-4879 (4010)
Practitioner's Docket No. 594.07-US1

PATENT

COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is for an original application.

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Highly Stable Packaging Substrates

SPECIFICATION IDENTIFICATION

The specification

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37. Code of Federal Regulations, § 1.56.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robert D. Fish
David Zoetewey
Roger H. Criss
John Donofrio
Leslie Weise

Registration Number 33880
Registration Number 45258
Registration Number 25570
Registration Number 32339
Registration Number 36305

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:

Robert D. Fish
(714) 449-2337

Leslie Weise
Allied Signal, Inc.
101 Columbia Road
P.O. Box 2245
Morristown, NJ 07962-1057

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Thomas McCarthy

Inventor's signature

Date 8/24/99

Country of Citizenship US

Residence Lake Hiawatha, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

Michael Wagaman

Inventor's signature

Date

Country of Citizenship US

Residence Morristown, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

David Schwind

Inventor's signature

Date

Country of Citizenship US

Residence Randolph, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Thomas McCarthy

Inventor's signature _____

Date _____

Country of Citizenship US

Residence Lake Hiawatha, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

Michael Wagaman

Inventor's signature  _____

Date 9/1/1999

Country of Citizenship US

Residence Morristown, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

David Schwind

Inventor's signature  _____

Date 9/1/99

Country of Citizenship US

Residence Randolph, NJ

Post Office Address AlliedSignal Inc.
101 Columbia Road, PO Box 2245
Morristown, NJ 07962-1057

COPY

Practitioner's Docket No. 594.07-US1

PATENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

10/045998
10/18/01
10/045998
10/18/01

COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING
NEW PATENT APPLICATION (37 CFR 3.31)

IDENTIFICATION OF APPLICATION
(37 CFR 3.21 and 37 CFR 3.31(a)(4))

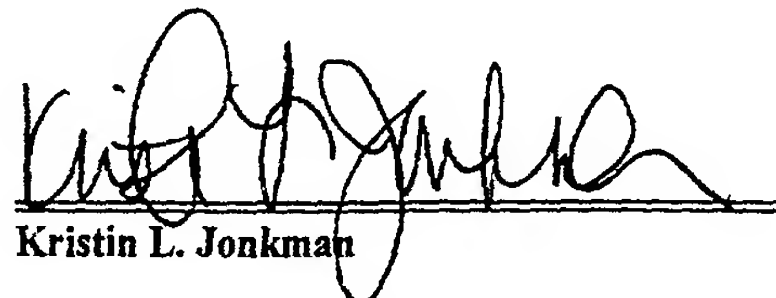
1. The patent application filed herewith and, to which the attached assignment (document) refers, is identified as follows:
 - a. Type of application: Application of patent (37 C.F.R. 1.53(b))
 - b. Date of execution: September 1, 1999 and September 8, 1999
 - c. Name of each inventor:
 - 1: McCarthy, Thomas
 - 2: Wagaman, Michael
 - 3: Schwind, David
 - d. Title of invention: HIGHLY STABLE PACKAGING SUBSTRATES

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this "Cover Sheet for Assignment (Document) Accompanying New Patent Application" and the documents referred to as attached therein are being deposited with the United States Postal Service on this date September 14, 1999, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number 9220401403US, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.


Kristin L. Jonkman

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

NAME OF PARTY(IES) CONVEYING INTEREST (37 CFR 3.31(a)(1))

2. The parties conveying this interest are:

Name 1: McCarthy, Thomas

Name 2: Wagaman, Michael

Name 3: Schwind, David

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 CFR 3.31(a)(2))**

3. The rights are being conveyed to:

AlliedSignal, Inc.

101 Columbia Road

P.O. Box 2245

Morristown, NJ U.S.A.

**DESCRIPTION OF INTEREST CONVEYED OR TRANSACTION RECORDED
(37 CFR 3.31 (a)(3))**

4. The accompanying document intends to accomplish:
an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM CORRESPONDENCE
SHOULD BE MAILED (37 CFR 3.31(a)(5))**

5. Please address correspondence to:

Leslie Weise

AlliedSignal, Inc.

101 Columbia Road

P.O. Box 2245

Morristown, NJ U.S.A.

DATE ASSIGNMENT (DOCUMENT) EXECUTED (37 CFR 3.31(a)(7))

6. The attached assignment (document) was executed on September 1, 1999 and September 8, 1999.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

7. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

8. Submitted herewith is the original document.

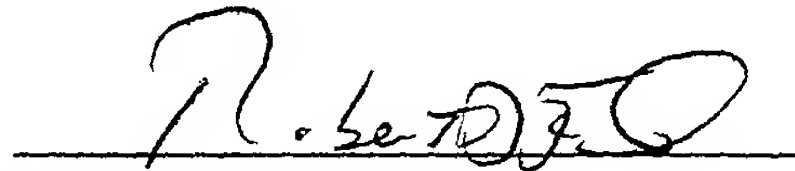
**NUMBER OF APPLICATIONS IDENTIFIED IN THIS COVER SHEET
AND THE FEE**

9. A. This cover sheet identifies only one application.
B. The fee for recordal (37 CFR 1.21(h)) is \$40.00.
Attached is a check for \$40.00.

**STATEMENT (37 CFR 3.31(a)(9))
AND SIGNATURE (37 CFR 3.31(a)(10))**

10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: 9/12/99



Robert D. Fish

Reg. No. 33880
Tel. No.: (714) 449-2337

Crockett & Fish
1440 N. Harbor Blvd.
Suite 706
Fullerton, CA 92835 U.S.A.

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, including cover sheet, attachment(s), and document(s) are: 8

ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4879 (4010)

WHEREAS, Thomas McCarthy, Michael Wagaman and David Schwind
(hereinafter "Assignor") have invented certain new and useful improvements in

**Highly Stable Packaging
Substrates**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF
THE UNITED STATES, which application has been duly executed by Assignor on
the day(s) and date(s) of these presents.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

8th day of September, 19 99

Thomas McCarthy

Thomas McCarthy

IN TESTIMONY WHEREOF, I have hereunto set my hand this

_____ day of _____, 19 _____

Michael Wagaman

IN TESTIMONY WHEREOF, I have hereunto set my hand this

_____ day of _____, 19 _____

David Schwind

STATE OF New York)
COUNTY OF Rensselaer) SS.:

On this 8th day of Sept., 19 99 before me personally appeared

Thomas McCarthy

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Joyce M. Moses

My commission expires: 7/31/2000

Notary Public
JOYCE M. MOSES
Notary Public, State of New York
Qualified in Rensselaer County
Commission Expires 7/31, 1999

STATE OF _____)
COUNTY OF _____) SS.:

On this _____ day of _____, 19 _____ before me personally appeared

Michael Wagaman

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Notary Public

My commission expires:

STATE OF _____)
COUNTY OF _____) SS.:

On this _____ day of _____, 19 _____ before me personally appeared

David Schwind

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Notary Public

My commission expires:

ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4879 (4010)

WHEREAS, Thomas McCarthy, Michael Wagaman and David Schwind
(hereinafter "Assignor") have invented certain new and useful improvements in

**Highly Stable Packaging
Substrates**

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF
THE UNITED STATES, which application has been duly executed by Assignor on
the day(s) and date(s) of these presents.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware,
U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A.,
hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the
United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS
PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is
hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said
Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial
possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries,
including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and
extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full
benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any
international convention, for the protection of industrial property, together with the right to extend the protection of said
U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the
United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use
and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as
fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.
And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S.
LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the
invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will,
without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and
just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining,
sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said
invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in
cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 19 _____

Thomas McCarthy

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of September, 19 99

Michael Wagaman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of September, 19 99

David Schwind

STATE OF _____)
COUNTY OF _____) ss.:

On this _____ day of _____, 19 _____ before me personally appeared
Thomas McCarthy

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

Notary Public

My commission expires:

STATE OF NEW JERSEY)
COUNTY OF MORRIS) ss.:

On this 15th day of September, 19 99 before me personally appeared
Michael Wagaman

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

KAREN G. FITZPATRICK
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires December 9, 2002

Notary Public

My commission expires:

STATE OF NEW JERSEY)
COUNTY OF MORRIS) ss.:

On this 1st day of September, 19 99 before me personally appeared
David Schwind

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]

KAREN G. FITZPATRICK
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires December 9, 2002

Notary Public

My commission expires: